

CUBIT Capability Proposal

Technical Area

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead

Cubit Developer in charge of technical area

Infrastructure – Mesh I/O

Karl Merkley

MRD Description

Describe the capability in terms of how a user would see it.

Spider command restructuring

SRS Description

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

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| <ol style="list-style-type: none">1. Create an alternative command syntax that is more comprehensible while maintaining the old syntax for backwards compatibility.2. Rewrite the spider command to use the new geometry-less element creation.3. Modify the GUI to support the new command syntax. |
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Justification

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

Bugs 5648, 5650, and 5641 are all related to issues with the spider command. The spider command creates virtual geometry which also creates potential problems downstream. This is also related to bug #4967 which is an enhancement request for contact elements.
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Resources

Who will work on this

Time estimate

How much time will it take in man-weeks

Targeted Release

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

Karl M.

1 man month

10.2

Submitted By:

Karl Merkley

Date:

17-March-2006
